

UNCRATING/INSTALLATION INSTRUCTIONS

Basil® 9600 Bedding Dispenser

(2003/11/20)

P122997-462

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A WORD FROM STERIS CORPORATION

Follow each step of the *Uncrating/Installation Instructions* **in the order presented**. To avoid equipment damage, carefully open each carton. If you find any indication of damage to the equipment (no matter how slight), show it to your supervisor.

To properly install this unit, you will need the Equipment Drawings (previously furnished), showing all utility service and space requirements. If drawings cannot be located, replacement copies may be obtained by writing, faxing, or telephoning STERIS, giving the serial and model numbers of your equipment.

Once installed, equipment operation should be tested by a qualified service technician prior to equipment usage.

Advisory

IMPORTANT: A listing of the *Safety Precautions* to be observed when uncrating, installing, and testing this equipment can be found in Section 1 of these instructions. Do not begin uncrating/installing this equipment until you have become familiar with this information.

IMPORTANT: Verify local occupational health and safety regulations, as well as electric and plumbing codes, for any special requirements that may pertain to the installation of this unit.

Any alteration of the equipment not authorized by STERIS which could affect its operation will void the warranty, could violate federal, state, and local regulations, and could jeopardize your insurance coverage.

STERIS supervision is recommended for installing and starting up this equipment. Contact STERIS for availability and information on this service.

Indications for Use

The Basil® 9600 Bedding Dispenser is a semi-automated unit designed to dispense bedding into two rodent cages simultaneously as they are placed on the work surface.

Service Information

A thorough preventive maintenance program is essential to safe and proper unit operation. This manual contains maintenance schedules and procedures which should be followed for satisfactory equipment performance.

You are encouraged to contact STERIS concerning our comprehensive Annual Maintenance Agreements. Under the terms of these agreements, preventive maintenance, adjustments, and replacement of worn parts are done on a scheduled basis to help assure equipment performance at peak capability and to help avoid untimely or costly interruptions. STERIS maintains a global staff of well equipped, factory-trained technicians to provide this service, as well as expert repair services. Please contact STERIS for details.

See inside back cover for contact information.

Certification

The **Basil 9600 Bedding Dispenser** meets the applicable requirements of the following standard, as certified by UL:

Underwriters Laboratories (UL) Standard 508, Industrial Control Equipment.

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LISTING OF SAFETY PRECAUTIONS AND SYMBOLS


1

The following is a listing of the *Safety Precautions* which must be observed when operating and servicing this equipment. WARNINGS indicate the potential for danger to personnel, and CAUTIONS indicate the potential for damage to equipment. These *Safety Precautions* are repeated, where applicable, throughout the manual.


WARNING – PERSONAL INJURY AND/OR EQUIPMENT DAMAGE HAZARD:

-  Use a forklift to move unit. Do not use door(s) or door handle(s) for lifting.
-  Only fully qualified service personnel should make repairs and adjustments to this equipment. Non-routine maintenance performed by inexperienced, unqualified personnel or installation of unauthorized parts could cause personal injury, invalidate the warranty, or result in costly damage. Contact STERIS regarding service options.



WARNING – ELECTRIC SHOCK AND BURN HAZARD:

-  Fasteners and star washers are used to assure protective bonding continuity. Always reinstall any star washer which may have been removed during installation or servicing.







WARNING – LACERATION HAZARD:

-  Wear gloves to protect your hands when removing bolts.









CAUTION – POSSIBLE EQUIPMENT DAMAGE:

-  When removing adhesives from stainless steel, use a solvent specially formulated for that purpose. Rub in a back-and-forth motion (in same direction as surface grain). Solvent rubbed in a circular motion or applied with a wire brush or steel wool on door and chamber assemblies can be harmful to stainless steel. Do not use solvents on painted surfaces.
 -  Once three-phase power is connected, check motors for correct rotation. Incorrect rotation may result in motor damage and improper operation of the unit.
-

1.1 Symbols on Crate

Symbol	Definition
	Tip Indicator. "If TIP N' TELL arrow point is blue, this package has been on its side or tipped over in transit. Make note on the bill of lading and check for damage. Any claims for tipping [will be based] on this notation."
	Maximum Relative Humidity.
	This Side Up.
	Keep Dry.
	Fragile.
	Do Not Stack.
	Maximum Temperature.

1.2 Symbols on Unit

Symbol	Definition
	Protective Earth (Ground).
	Warning! Risk of Electric Shock.
	Attention. Refer to Manual for Further Instructions.
	Fuse Identification.
	Power ON on the Whole Unit.
	Power OFF on the Whole Unit.
	Keep Hands Away.
	General Information Found Inside of Pannel.
<div> <div>WARNING</div> <div>FOR CONTINUED PROTECTION AGAINST FIRE HAZARD REPLACE ONLY WITH SAME TYPE AND RATING OF FUSE</div> </div>	

1.3 Symbols on Nameplate

Symbol	Definition
MODEL	Model Number of the Unit.
S/N	Serial Number of the Unit.
kVA	Kilovolt-Ampere.
V__~	Volt, Number of Phase (3 or 1 [blank]), Alternate Current.
A	Ampere.
YEAR	Year of Manufacture of the Unit.
Hz	Hertz – Frequency of the Unit.
WIRE	Number of Wires in the Electrical Cable (Ground not Included).

2.1 Open Crate



WARNING – PERSONAL INJURY AND/OR EQUIPMENT DAMAGE HAZARD:
Use a forklift to move unit.
Do not use door(s) or door handle(s) for lifting.

When uncrating the unit, note the following:

1) *Basil® 9600 Bedding Dispenser weighs approximately 1,360 lb (617 kg). Use a forklift to move equipment.*

2) *Uncrate on level floor as close to installation site as possible.*

1. Position unit to open wooden crate from top and side. Provide a clear work area on all sides.
2. Using a nail puller, remove and discard wooden top.
3. Verify Tip Indicator, located on upper left side of crate (see Figure 2-1). Tip Indicator contains a blue compound at the bottom of the indicator. If unit has been tipped, residue from the blue compound will be found higher up in the indicator.

If unit has been tipped, contact STERIS to determine if a service technician is required to inspect the equipment and determine if unit was damaged.

4. Remove and discard side wooden panels.
5. Remove and discard polystyrene wrap from around unit.

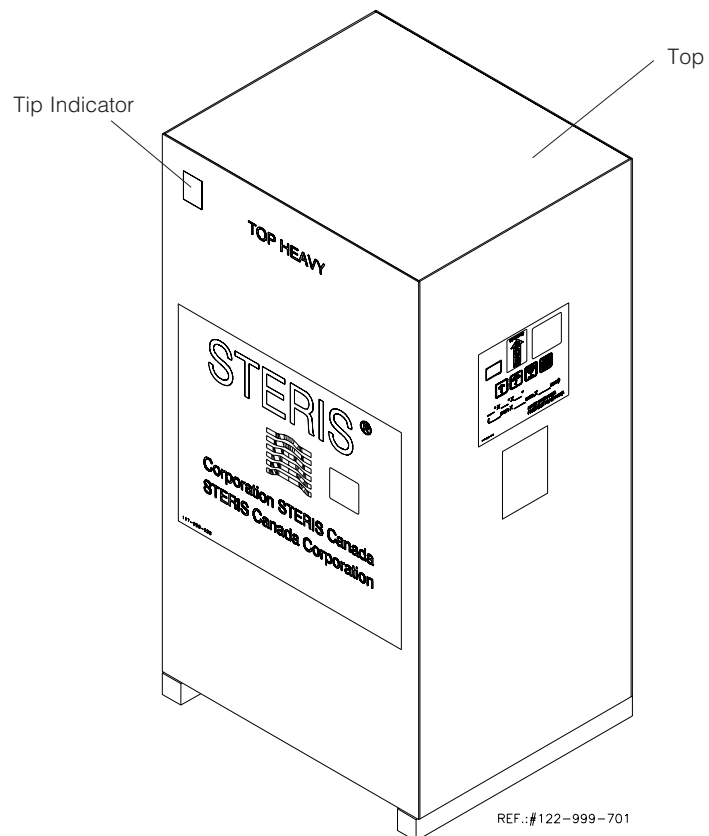


Figure 2-1. Crate

2.2 Move Unit and Remove Skid



WARNING – PERSONAL INJURY AND/OR EQUIPMENT DAMAGE HAZARD: Use a forklift to move unit. Do not use door(s) or door handle(s) for lifting.



WARNING – LACERATION HAZARD: Wear gloves to protect your hands when removing bolts.

1. With bedding dispenser still mounted on skid, use a forklift to move bedding dispenser to installation site.
2. Verify tip indicator, located inside lower service compartment. If unit has been tipped, notify STERIS.
3. Remove four lag bolts securing bedding dispenser base to skid.
4. Remove and discard skid from under bedding dispenser.

NOTE: Floor under bedding dispenser should be level. If necessary, use adjustable legs to level bedding dispenser.

2.3 Prepare Dispenser for Installation



CAUTION – POSSIBLE EQUIPMENT DAMAGE: When removing adhesives from stainless steel, use a solvent specially formulated for that purpose. Rub in a back-and-forth motion (in same direction as surface grain). Solvent rubbed in a circular motion or applied with a wire brush or steel wool on door and chamber assemblies can be harmful to stainless steel. Do not use solvents on painted surfaces.

1. Remove all tape from bedding dispenser.
2. *Operator Manual* (P122994-981) is included in the *Customer Information* Envelope. Ensure operator receives manual.
3. Remove all packing and tape from control panel.
4. Discard all packing material removed during uncrating procedures.

3.1 Before Installing Unit



WARNING – PERSONAL INJURY AND/OR EQUIPMENT DAMAGE HAZARD: Only fully qualified service personnel should make repairs and adjustments to this equipment. Non-routine maintenance performed by inexperienced, unqualified personnel or installation of unauthorized parts could cause personal injury, invalidate the warranty, or result in costly damage. Contact STERIS regarding service options.



WARNING – ELECTRIC SHOCK AND BURN HAZARD: Fasteners and star washers are used to assure protective bonding continuity. Always reinstall any star washer which may have been removed during installation or servicing.

1. Review permissible environmental conditions:

This bedding dispenser is designed to give optimal results in an environment where maximum relative humidity is 80% for temperatures up to 88 °F (31 °C), decreasing linearly to 50% relative humidity at 104 °F (40 °C).

2. Review installation requirements:

- a. Clearance - Clearance space shown on Equipment Drawing is necessary for easy installation and proper operation and maintenance of bedding dispenser.
- b. Utility service lines:
 - To allow service on unit without shutting off building supply lines, shutoff valves (not by STERIS) should be installed on air supply line to unit. Shutoff valve must be capable of being locked in OFF position.
 - A disconnect switch (not by STERIS) should be installed in electric supply lines near bedding dispenser. Disconnect switch should be clearly identified as the disconnect device of the equipment and within easy reach of operator [no more than 3' (1 m) of equipment]. Disconnect switch must be capable of being locked in OFF position only.
 - If machine is installed next to other equipment, shutoff valve and disconnect switch should be located so that service can be shut off to one piece of equipment at a time.
 - Utility service requirements are shown on Equipment Drawing. Unit requires either 208 V, 60 Hz, 3-phase, 4-wire; 480 V, 60 Hz, 3-phase, 3-wire, or 120 V, 60 Hz, 1-phase, 2-wire if optional air compressor is present.

3.2 Connect Utilities

1. AIR – Blow out the building air supply line to remove chips, scale, etc. Connect line to bedding dispenser.
2. ELECTRICITY – Connect building electrical supply to bedding dispenser. Verify tight electrical connections.
3. Open building supply valve and verify for leaks. Correct if necessary.

THIS COMPLETES THE INSTALLATION. Contact STERIS to schedule a service technician to test your installation as per Section 4, *Installation Verification*, and Section 5, *Operational Test*, and show persons designated how to operate the equipment. Refer to *Operator Manual* (P122994-981) for operating procedures.

A Room Layout, Floor Plan, and Equipment Drawing, showing all utility and space requirements, were shipped with the unit. The clearance space, specified on the floor plan, is necessary for proper installation, operation, and maintenance of the unit. If any of these documents are missing or misplaced, contact STERIS, giving the serial and model numbers of the unit. Replacement copies will be sent to you promptly.

After installing the unit, complete the following checklist to ensure complete and correct installation. Contact STERIS to schedule a demonstration of proper equipment operation.

- ☐ Shutoff valve (not by STERIS), for maintenance purposes, is installed on the air line and is in compliance with local codes and standards.
- ☐ Disconnect switch (not by STERIS), capable of being locked in OFF position only, is installed in the electrical supply line in the same room as the bedding dispenser, and within 10 ft. of the electrical control box.

NOTE: If unit is installed next to other equipment, shutoff valve and disconnect switch should be located so that service can be shut off to one piece of equipment at a time.

- ☐ Bedding dispenser is positioned, as shown on Equipment Drawing, with required clearance space and in relation to building air supply line.
- ☐ Bedding dispenser is level. If necessary, use adjustable legs and/or add shims (not included) to level unit.
- ☐ Dust collector is connected to exhaust fan outlet.
- ☐ Nonslip floor surface (not by STERIS) around unit.

IMPORTANT: After a few weeks of operation, inspect unit for leaks. Retighten all clamps and connections.

IMPORTANT: Refer to the Section 2.3, *Special Installation for Bed-o-Cup® Bedding or Alpha Dry® Bedding*, in the *Operator Manual* (P122994-981), for important information on the installation and the basic settings of the approved bedding brands (**Aspen Chips® bedding, Recycled Paper bedding, Bed-o-Cup® bedding, and Alpha Dry® bedding**) or any other similar bedding brand.

1. Fill lower (storage) hopper by dumping bedding through the work surface grid from the front of the unit (see Figure 5-1).

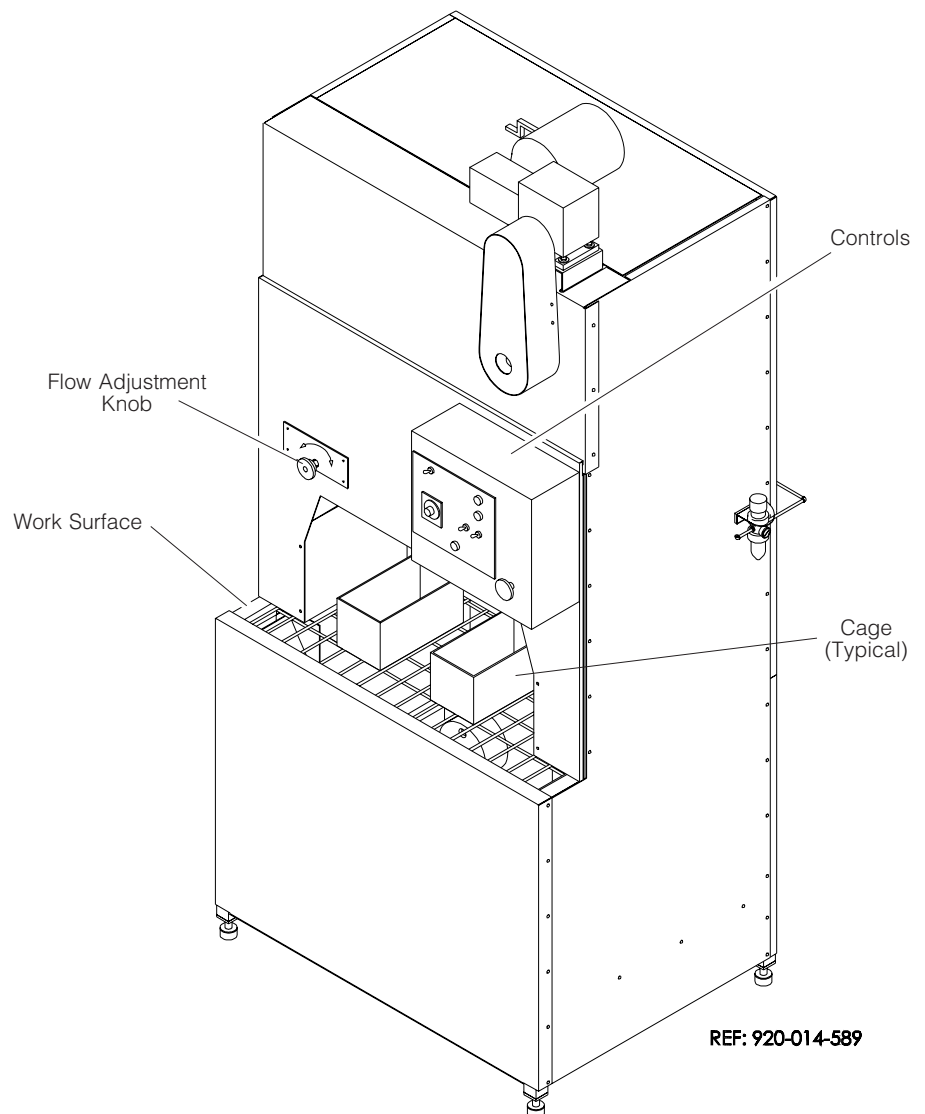


Figure 5-1. Basil® 9600 Bedding Dispenser

2. Verify the dust collection bag at the back of the unit is in position (see Figure 5-2).

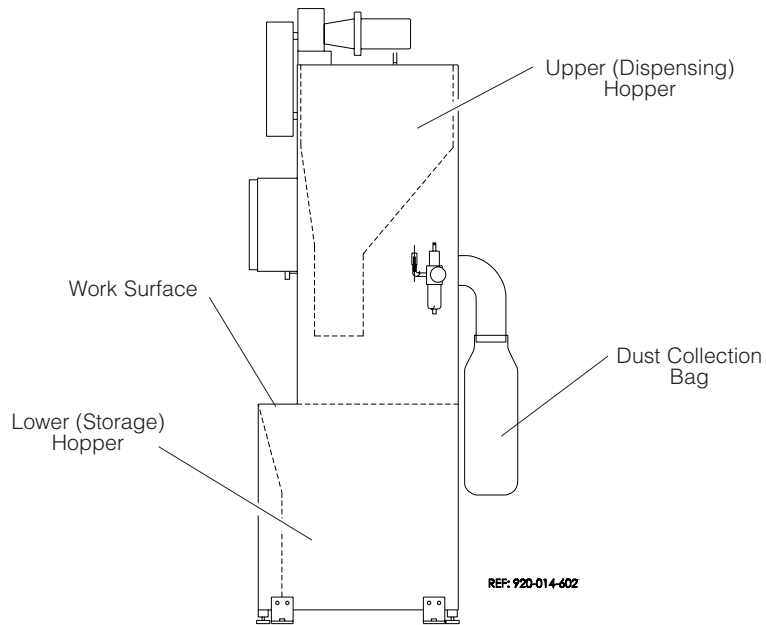


Figure 5-2. Verify Dust Collection Bag

3. Position the Power switch to ON (see Figure 5-3).
4. Position the Conveyor switch to AUTO (see Figure 5-3).
5. Position exhaust fan switch to ON (if option applies, see Figure 5-3).



CAUTION – POSSIBLE EQUIPMENT DAMAGE: Once three-phase power is connected, check motors for correct rotation. Incorrect rotation may result in motor damage and improper operation of the unit.

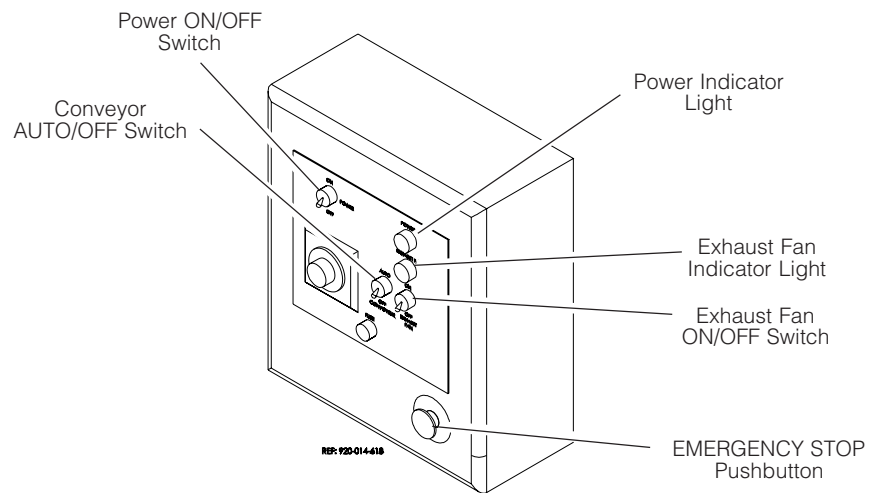


Figure 5-3. Controls

6. Place a cage on the work surface (grid) and push it toward the mechanical bar at the back of the unit.
7. After bedding is dispensed, remove cage from the work surface.

BEDDING DISPENSER IS NOW READY FOR OPERATION.

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